

## Directory

### Military IACs

### CTIAC

Concrete Technology  
Information Analysis Center

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The CTIAC scope covers all aspects of concrete technology including:

- Mass Concrete Materials
- Construction Methods
- Analytical Procedures
- Test Methods
- Portland Cement Grout Mixtures
- Repair
- Evaluation
- Maintenance
- Rehabilitation
- Mineral Admixtures
- Chemical Admixtures
- Nondestructive Testing
- Concrete
- Reinforced Concrete
- Reinforcing Materials
- Cement
- Fracture (Mechanics)
- Deformation
- Degradation
- Chemical Analysis

#### How to contact CTIAC:

CTIAC

U.S. Army Engineer Waterways  
Experiment Station  
ATTN: CEWES-SV-Z  
3909 Halls Ferry Road  
Vicksburg, MS 39180-6199

Tel: (601) 634-3376

Fax: (601) 634-3242

[matherb@ex1.wes.army.mil](mailto:matherb@ex1.wes.army.mil)

[http://www.wes.army.mil/  
welcome.html](http://www.wes.army.mil/welcome.html)

The CTIAC was established within the Structures Laboratory (SL) of the Waterways Experiment Station (WES). It has gathered, analyzed, evaluated, condensed, and published reports on the state-of-the-art in a number of areas related to concrete technology. The CTIAC draws on the technical expertise of the experienced engineers and scientists on the SL staff in a wide variety of scientific and engineering disciplines including chemistry, physics, civil engineering, materials science and engineering, and structural engineering.

The CTIAC, along with its staff members, draws upon the work of groups such as CEMBUREAU, Portland Cement Association (PCA), American Concrete Institute (ACI), Transportation Research Board (TRB), American Society for Testing and Materials (ASTM), RILEM, National Institute of Standards and Technology (NIST), International Concrete Repair Institute (ICRI), etc., for information on latest technologies and materials. The staff maintains membership in those organizations where memberships are available, and participates in the development and review of reports on new products and emerging technologies of those organizations.



## Services

One of the principal activities of CTIAC staff is responding to inquiries from the user community. Additionally, CTIAC distributes a number of information products. The following sampling of inquiries and products demonstrates the variety of information CTIAC assesses and disseminates to the user community:

### **Evaluation of Antiwashout Admixture for Concrete**

Ambric Engineering

### **Specifications for Recycled Concrete Aggregate**

California Environment Protection Agency

### **Corrosion of Concrete Septic Tanks**

National Small Homes Clearinghouse

### **Concrete to Resist Sulfate Attack**

Central Pre Mix, Spokane, WA

### **Suitability of Granite as Riprap**

South Carolina Department of Transportation

### **Grout for Use in Breakwaters**

U.S. Army Engineer District, New York

### **Use of Linseed Oil on Concrete Surfaces**

U.S. Air Force, Holloman AFB

## Products

### ***Concrete Mixture Selection and Characterization, Olmsted Locks and Dam, Ohio River***

### ***Evaluation of Nonlinear Constitutive Properties of Concrete***

### ***Evaluation of Barrier Cable Impact Pad Materials***

### ***Six Candidate Shock-Attenuating Material Systems for the Alternate National Military Command Center (ANMCC)***

### ***Selected Bibliography on Fiber-Reinforced Cement and Concrete***

### ***Red River Waterway Thermal Studies Report 1, Concrete Mixture Selection and Characterization***

### ***Evaluation of Parameters Affecting Thermal Stresses in Mass Concrete***

## Staff

The previous information is only an introduction to the scope, services, and products available from CTIAC. For more information on CTIAC's capabilities, contact any of the following individuals:

### **Bryant Mather, DSc.**

*Director*

Tel: (601) 634-3264

Fax: (601) 634-3242

matherb@ex1.wes.army.mil

### **Sam Wong**

*Assistant Director*

Tel: (601) 634-3271

Fax: (601) 634-3242

ging.s.wong@wes01.usace.army.mil